INTERNATIONAL SEARCH REPORT

Inte nal Application No
PCT/IL2004/000921

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 C07K16/40 A61K39/395 A61P37/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 C07K A61K C12N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)
EPO-Internal, Sequence Search

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 854 003 A (ROTHE MIKE ET AL) 29 December 1998 (1998-12-29) column 4, line 5 - line 19; table 2 column 2, line 58 - line 67 ----- -/--	1,3, 7-13, 17-20, 30, 36-40, 45-48, 53-57, 62-65, 70,75-85

[X] Further documents are listed in the continuation of box C.

[X] Patent family members are listed in annex.

° Special categories of cited documents :

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier document but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"&" document member of the same patent family

Date of the actual completion of the international search	Date of mailing of the international search report
27 April 2005	30. 06. 2005

Name and mailing address of the ISA	Authorized officer
European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	van Klompenburg, W

Form PCT/ISA/210 (second sheet) (January 2004)

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 97/37016 A (BOLDIN MARK ; METT IGOR (IL); WALLACH DAVID (IL); MALININ NIKOLAI (IL)) 9 October 1997 (1997-10-09) cited in the application claims 22,26; figure 6; examples 1-6	1,3, 7-13, 17-20, 30, 36-40, 45-48, 53-57, 62-65, 70,75-85
X	WO 95/26365 A (UNITED BIOMEDICAL, INC; WANG, CHANG, YI) 5 October 1995 (1995-10-05) SEQ ID NO: 38, claims 1-44 abstract	1,2,5,7, 8,30,31, 33, 35-37, 60,65, 66,68,84
X	US 5 030 565 A (NIMAN ET AL) 9 July 1991 (1991-07-09) claim 2	1,2,4,7, 8,30-32, 35-37, 59, 65-67,84
X	WO 90/10231 A (REPLICO MEDICAL AB) 7 September 1990 (1990-09-07) claim 2	1,2,6,8, 30,31, 34-37, 61,65, 66,69,84
A	US 2003/082519 A1 (SCHUBART DANIEL ET AL) 1 May 2003 (2003-05-01) paragraphs [0018], [0044], [0047], [0126]; claims 4,8	1-58, 62-85
A	CHEN DANYING ET AL: "NIK is a component of the EGF/heregulin receptor signaling complexes." ONCOGENE. 10 JUL 2003, vol. 22, no. 28, 10 July 2003 (2003-07-10), pages 4348-4355, XP002315069 ISSN: 0950-9232 figure 4	1-58, 62-85

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
L,P,X	WO 03/087380 A (RAMAKRISHNAN PARAMESWARAN ; SHMUSHKOVICH TAISIA (IL); WALLACH DAVID (I) 23 October 2003 (2003-10-23) claims 26,32,49; figures 2,3; examples 7,9	1,3, 7-13, 17-20, 30, 36-40, 45-48, 53-57, 62-65, 70,75-85

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Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. [X] Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:

Although claims 70-81 are directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.

2. [ ] Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:

3. [ ] Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1. [ ] As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.

2. [ ] As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.

3. [X] As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:

4-6,14-16,21-29,32-34,42-44,50-52,59-61,67-69
72-74 (completely) and claims 1-3, 7-13,17-20,30,31,35-41,45-49,53-58
62-66,70,71,75-85 (partially)

4. [ ] No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

[ ] The additional search fees were accompanied by the applicant's protest.

[X] No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

Invention 1 Claims :1,3,7-13,17-20,30,36-40,45-48,53-57,62-65,70,75-85 (all partially)

A preparation comprising one or more antibodies being capable of binding to SEQ ID NO:1. A method of preparing a monoclonal antibody. An antibody, a monoclonal antibody, a pharmaceutical composition. A method of regulating a biochemical activity of a NIK molecule. A composition of matter comprising a substrate covalently attached to a polypeptide of SEQ ID NO:1. The use of a preparation comprising an antibody recognizing SEQ ID NO:1 in the manufacture of a medicament. A method of treatment. A method for purification of a NIK binding protein. The use of an antibody for an ELISA assay and the usr of an antibody for immune purification of NIK.

Invention 2-6: Claims 1,3,7-13,17-20,30,36-40,45-48,53-57,62-65,70,75-85 (all partially)

As invention 1, but whereby invention 2 is characterized by SEQ ID NO:2, invention 3 by SEQ ID NO:3 etc.

Invention 7 Claims: 4,14-16,21,24,27,32,42,50,59,67,72 completely, 1-3,7-13,17-20,30,31,35-41,45-49,53-58,62-66,70,71, 75-85(partially)

As invention1, but characterized by SEQ ID NO:7 and additionaly hybidoma clone No-I-3092 and monoclonal antibodies genereted by it.

Invention 8 Claims: 1-3,7-13,17-20,30,31,35-41,45-49,53-58,62-66,70,71, 75-85(partially)

As invention 1, but characterized by SEQ ID: NO 8

Invention 9: claims 1,3,7-13,17-20,30,36-40,45-48,53-57,62-65,70,75-85 (all partially)

As invention 1, but characterized by SEQ ID NO:9

Invention 10 Claims: 1,3,7-13,17-20,30,36-40,45-48,53-57,62-65,70,75-85 (all partially)

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

As invention 1, but characterized by SEQ ID NO:10

Invention 11 Claims:5,22,25,28,33,43,51,60,68,73 (completely), 1-3,7-13,17-20,30,31,35-41,45-49,53-58,62-66,70,71, 75-85(partially)

As invention1, but characterized by SEQ ID NO:11 and additionaly hybridoma clone No-I-3093 and monoclonal antibodies genereted by it.

Invention 12, Claims: 6,23,26,29,34,44,52,61,69,74 (completely), 1-3,7-13,17-20,30,31,35-41,45-49,53-58,62-66,70,71, 75-85(partially)

As invention 1, but characterized by SEQ ID NO:12 and additionaly hybridoma clone No-I-3095 and monoclonal antibodies genereted by it.

Invention 13 Claims: 1-3,7-13,17-20,30,31,35-41,45-49,53-58,62-66,70,71, 75-85(partially)

As invention 1, but characterized by SEQ ID NO: 13

Invention 14 Claims: 1-3,7-13,17-20,30,31,35-41,45-49,53-58,62-66,70,71, 75-85(partially)

As invention 1, but characterized by SEQ ID NO: 15

Inventions 15-18: Claims 1,3,7-13,17-20,30,36-40,45-48,53-57,62-65,70,75-85 (all partially)

As invention 1, but whereby invention 15 is characterized by SEQ ID NO: 18, invention 16 is characterized by SEQ ID NO: 19, invention 17 by SEQ ID NO: 20 and invention 18 by SEQ ID NO: 22.

INTERNATIONAL SEARCH REPORT

Information on patent family members

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